



# **Organizational and Expertise Directory**

**Spring 2007**

**Office of Research,  
Development and Technology**

**Turner-Fairbank Highway Research Center  
6300 Georgetown Pike, McLean, VA 22101**



U.S. Department of Transportation  
**Federal Highway Administration**

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## Who we are and what we do

The Federal Highway Administration (FHWA) Office of Research, Development, and Technology (RD&T) is organized into 8 offices with 15 teams of experts in more than 30 transportation-related disciplines. Three research and development (R&D) offices—Operations, Safety, and Infrastructure—conduct R&D to continually improve highway operations and intelligent transportation systems (ITS), safety, and infrastructure, respectively. The Office of Program Development and Evaluation develops and executes policy, budget, program management, and administrative mechanisms to help FHWA carry out a nationwide research and technology (R&T) program. The Office of Research and Technology Services develops and executes a comprehensive RD&T communications strategy and marketing plan that supports FHWA R&T programs and technology transfer and delivery. The Office of Resource Management provides administrative services for RD&T.

RD&T also manages the FHWA R&T Program, which directly supports the goals of the U.S. Department of Transportation (USDOT) to invest strategically in transportation infrastructure, promote safe and secure transportation, enhance our environment, and create new alliances between the Nation's transportation and technology industries. The Office of Corporate Research and Technology supports the FHWA R&T Program.

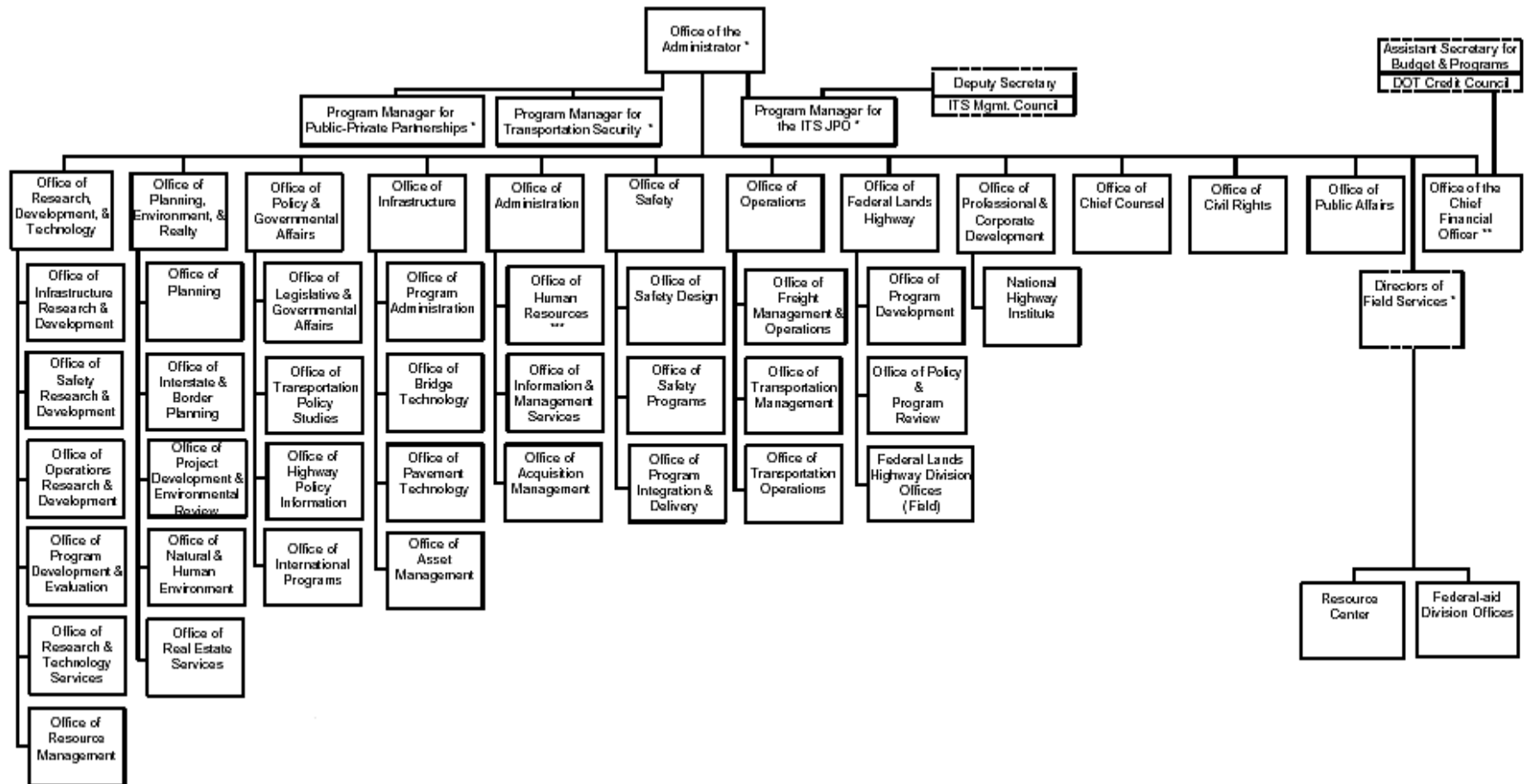
In virtually everything we do, we coordinate and/or collaborate extensively with other FHWA and DOT offices, State and local government partners, academic organizations, companies in the industry, military research offices, and professional organizations. In an effort to involve stakeholders and partners, and improve RD&T, FHWA is implementing a Corporate Master Plan that centers around Agency commitments and principles.

See RD&T fiscal year (FY) 2004 product and service descriptions and year-end statuses in the *Office of Research, Development, and Technology FY 2004 Performance Report*. Find a listing and descriptions of FY 2004-05 products and services in the *RD&T FY 2004/2005 Performance Plan*. The performance plan and report are available on the Turner-Fairbank Highway Research Center (TFHRC) Web site ([www.tfhrc.gov](http://www.tfhrc.gov)).

We are proud of our contributions, products, and services that quickly and cost-effectively accelerate and transform new technologies and concepts into better transportation systems, processes, and services. With our partners, we improve our national quality of life. To be successful, we must respond to the needs of our national transportation system and its users—society at large. We meet the challenge by constantly emphasizing and demonstrating innovation.

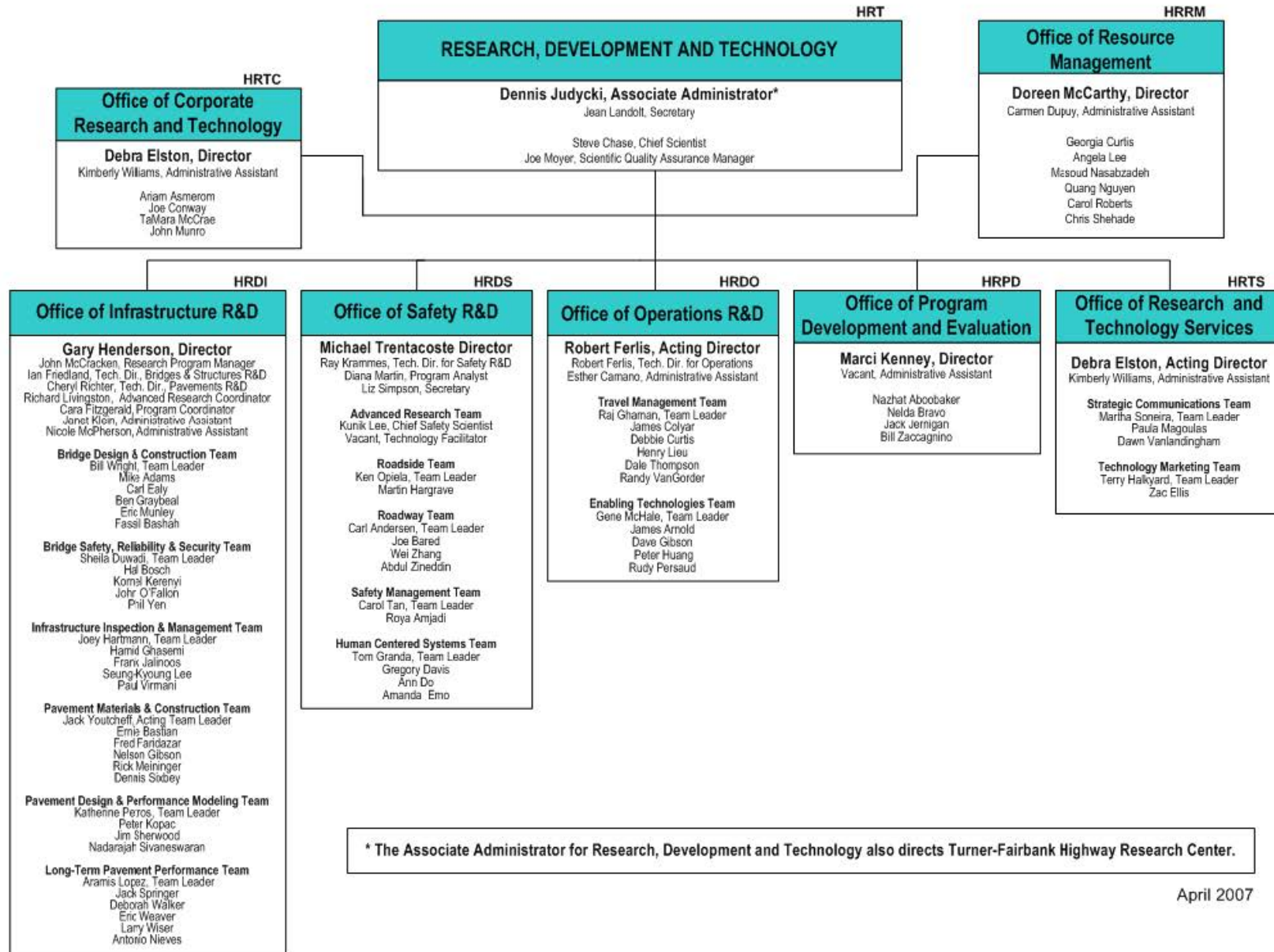
***Research that is Essential, Indispensable, and Connected to our Customers.***

# Federal Highway Administration



\* The Office of the Administrator includes the Administrator, Deputy Administrator, Executive Director, and the Intelligent Transportation Systems Joint Program Office (ITS JPO). FHWA's Program Manager for Public-Private Partnerships, the Program Manager for Transportation Security, and the Directors of Field Services (DFS) are an extension of the Executive Director's office. The DFSs provide administrative supervision and leadership on strategic initiatives to the constituent Division Administrators, and the DFS-West also provides administrative supervision to the Resource Center Director. The Program Manager for the ITS JPO has a departmentwide role, advising and reporting to both the Deputy Secretary of Transportation and the FHWA Administrator, and provides executive direction over the ITS JPO. \*\* The Transportation Infrastructure Finance and Innovation Act Joint Program Office (TIFIA JPO), a multi-modal office located in FHWA's Office of the Chief Financial Officer, has a departmentwide role which is overseen by the Assistant Secretary for Budget and Programs and the DOT Credit Council. The FHWA Chief Financial Officer (CFO) performs CFO functions in support of departmental responsibilities established under the CFO Act of 1990. \*\*\* The DOT Automated Staffing Group, which is organizationally located within FHWA's Office of Human Resources, serves as the Department's "executive agent" for providing "one-stop" employment services to all job applicants applying for positions advertised through the DOT automated staffing system. Working with modal human resources offices, this Group provides automated staffing, delegated examining unit, and related human resources services.

# Federal Highway Administration Turner-Fairbank Highway Research Center



April 2007

**Office of the Associate Administrator**  
**Fax: 202-493-3170**

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**Office of the Associate Administrator, HRT-1**

**Dennis Judycki**

*Associate Administrator/Director of TFHRC*

202-493-3999

dennis.judycki@fhwa.dot.gov

**Primary Responsibilities**

- National Highway Research and Technology (R&T) Partnership leadership development and coordination
- Corporate facilitation and coordination of research, technology, and innovation deployment
- Advancement of Agency's strategic mission and role of "Innovators for a Better Future"

**Backup Person**

Michael Trentacoste

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**Jean Landolt**

*Secretary*

202-493-3999

jean.landolt@fhwa.dot.gov

**Primary Responsibilities**

- Administrative support

**Major Projects**

- Office management

**Backup Person**

Liz Simpson

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**Steve Chase**

Chief Scientist, TFHRC

202-493-3038

steve.chase@fhwa.dot.gov

**Primary Responsibilities**

- Strategic Planning for TFHRC
  - Coordination of R&D at TFHRC
  - Exploratory Advanced Research at TFHRC
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**Joe Moyer**

Scientific Quality Assurance Manager

202-493-3370

joe.moyer@fhwa.dot.gov

**Primary Responsibilities**

- Lab Assessment
- Data Quality
- Peer Review



**Office of Corporate Research and Technology**  
**Fax: 202-493-3475**

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**Office of Corporate Research and Technology, HRTC-01**

**Debra Elston**

*Director*

202-493-3181

debra.elston@fhwa.dot.gov

**Primary Responsibilities**

- FHWA leadership liaison to “Raise the Bar” on research and deployment of technology and innovation (T&I)

**Major Projects**

- FHWA *Corporate Master Plan for Research and Deployment of T&I*
- Leadership and communication for Corporate Master Plan

**Backup Person**

Joe Conway

---

**John F. Munro**

*Research and Technology Systems Analyst*

202-493-3368

john.munro@fhwa.dot.gov

**Primary Responsibilities**

- Technology deployment
- Peer Review Liaison to the Office of the Secretary of Transportation/Research and Innovative Technology Administration
- Intellectual Properties Contract

**Major Projects**

- Corporate R&T Report
- Technology deployment process analysis
- FHWA Corporate Research and Technology Web site
- Scientific Peer Review support
- Co-author Program Management Papers

**Backup Person**

Debra Elston

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**Joe Conway**

*Transportation Specialist*

202-493-3186

joe.conway@fhwa.dot.gov

**Primary Responsibilities**

- Implementing the FHWA Corporate Master Plan for Research and Deployment of T&I
- Detailed to the Office of Research and Technology Services

**Major Projects**

- Research and Technology Multiyear Plans (Roadmaps)
- University Transportation Center Research coordination and site visits
- Daily coordination of activities for Research and Technology Services

**Backup Person**

Martha Soneira

**TaMara McCrae**

*Communications and Marketing Specialist*

202-493-3382

tamara.mccrae@fhwa.dot.gov

**Primary Responsibilities**

- Corporate R&T communications
- Technology deployment

**Major Projects**

- Communications plan development
- Priority, Market-Ready Technologies and Innovations communication and marketing materials
- Tracking and measuring Market Ready Technologies & Innovations

**Backup Person**

John F. Munro

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**Ariam Asmerom**

*Transportation Specialist*

202-493-3469

ariam.asmerom@fhwa.dot.gov

**Primary Responsibilities**

- FHWA advanced research program development

**Major Projects**

- Advanced research process and plan
- Research partnerships

**Backup Person**

Debra Elston



**Office of Resource Management**  
**Fax: 202-493-3478**

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**Office of Resource Management, HRRM-01**

**Doreen McCarthy**

*Director*

202-493-3175

doreen.mccarthy@fhwa.dot.gov

**Primary Responsibilities**

- Director

**Major Projects**

- Leadership in management planning and TFHRC business operations

**Backup Person**

Chris Shehade

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**Carmen Dupuy**

*Administrative Assistant (Contractor)*

202-493-3175

cara.wood@fhwa.dot.gov

**Primary Responsibilities**

- Office operations and support
- Purchase Request tracking
- Assistance to Accountable Property, Employee Development, and Facility Security Activities
- TFHRC Central Telephone Information

**Major Projects**

- Office management
  - Support to Administrative Management programs
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**Chris Shehade**

*Senior Financial Manager*

202-493-3179

chris.shehade@fhwa.dot.gov

**Primary Responsibilities**

- Financial consultation to the R&T Leadership Team
- R&T budget execution
- Financial management policy reviews

**Major Projects**

- Financial consultation on R&T funding issues and financial management of all RD&T allotments

**Backup Person**

Quang Nguyen

**Georgia Curtis**

*Administrative Management Specialist*

202-493-3180

georgia.curtis@fhwa.dot.gov

**Primary Responsibilities**

- Activity 10/GOE allocation management
- Contract Administration of RD&T-wide support contract
- RD&T Employee Development program coordination

**Major Projects**

- Activity 10/GOE allotment financial research, reconciliation, and reporting
- COTR for RD&T Administrative support contract
- RD&T Training Coordinator

**Backup Person**

Chris Shehade

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**Vacant**

*Program Analyst*

202-493-3168

**Primary Responsibilities**

- Acquisition planning and review
- RD&T Purchase Card review and program oversight
- COTR and Purchase Card holder certification and training

**Major Projects**

- Acquisition planning, administration, and reporting
- Purchase Card Program Manager
- COTR/Purchase Card holder certification and reporting

**Backup Person**

Doreen McCarthy

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**Quang Nguyen**

*Accountant/Financial Manager*

202-493-3298

quang.nguyen@fhwa.dot.gov

**Primary Responsibilities**

- RD&T budget execution
- Managerial Cost Accounting System implementation and continuing oversight
- Program funds review, research, and reconciliation

**Major Projects**

- Financial oversight of RD&T allotments
- COTR for financial management support contracts
- Managerial Cost Accounting System Management for RD&T

**Backup Person**

Chris Shehade

**Masoud Nasabzadeh**

*Research Facility Technical Support Specialist*

202-493-3047

masoud.nasabzadeh@fhwa.dot.gov

**Primary Responsibilities**

- Technical support to R&D activities at TFHRC
- Contract administration of IT Support and Electronics Laboratory Contracts
- Facility reviews and strategic planning
- Emergency planning and COOP management

**Major Projects**

- COTR for RD&T-wide technical support contracts
- TFHRC Strategic Capital Investment Plan
- COOP Management
- TFHRC physical security review

**Backup Person**

Doreen McCarthy

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**Carol Roberts**

*Administrative Management Specialist*

202-493-3185

carol.roberts@fhwa.dot.gov

**Primary Responsibilities**

- Human resource management
- Human resource consultation and guidance

**Major Projects**

- Human resource management and consultation
- Workforce planning
- Competitive Sourcing Program implementation

**Backup Person**

Doreen McCarthy

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**Angela Lee**

*Administrative Management Specialist*

202-493-3471

angela.lee@fhwa.dot.gov

**Primary Responsibilities**

- Accountable property inventory and records management
- Facility space management assistance
- USDOT vehicle and wireless communication device administration

**Major Projects**

- TFHRC Accountable Property Officer
- Facility Space Utilization Studies
- Purchase Request Quality Review support

**Backup Person**

Masoud Nasabzadeh

**Management Services Division, HAIM-20**

**Brian Kerr**

202-493-3000

brian.kerr@fhwa.dot.gov

**Primary Responsibilities**

- Facilities Manager

**Major Projects**

- Facilities operations

**Backup Person**

Lyle Hayhurst

**Office of Program Development and Evaluation**  
**Fax: 202-493-3170**

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**Office of Program Development and Evaluation, HRPD-01**

**Marci Kenney**

*Director*

202-493-3166

marci.kenney@fhwa.dot.gov

**Primary Responsibilities**

- Overall leadership of R&T program development and evaluation
- Lead for Office of the Secretary of Transportation (OST)-level and multimodal R&T coordination
- Focal point for coordination of R&T program issues

**Major Projects**

- FHWA R&T program development and evaluation
- USDOT RD&T Program Review Working Group
- Liaison with Transportation Research Board (TRB) R&T Coordinating Committee
- Focal point for coordination of international R&T programs

**Backup Person**

Nelda Bravo

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**Vacant**

*Administrative Assistant*

202-493-3166

**Primary Responsibilities**

- Administrative support

**Major Projects**

- Office and meeting support

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**Nelda Bravo**

*Senior Program Analyst*

202-493-3470

nelda.bravo@fhwa.dot.gov

**Primary Responsibilities**

- National R&T programs
- R&T program formulation in cooperation with headquarters and field offices
- Future Strategic Highway Research Program (SHRP II)
- Small Business Innovation Research (SBIR) Program Manager

**Major Projects**

- National Highway R&T programs
- SHRP II liaison
- Liaison with TRB Research and Technology Coordinating Committee (RTCC)
- Liaison with RITA for University Transportation Center (UTC) program

**Backup Person**

Jack Jernigan

**Jack Jernigan***Transportation Specialist*

202-493-3363

jack.jernigan@fhwa.dot.gov

**Primary Responsibilities**

- Development of R&T budget and budget delivery plan
- Development and review of legislative proposals
- Development of R&T Legislative Implementation Plan for the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU)

**Major Projects**

- Annual R&T budget and budget delivery plan
- Legislative proposals
- Headquarters and field office coordination

**Backup Person**

Nelda Bravo

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**Bill Zaccagnino***Research and Technology Program Manager*

202-493-3183

william.zaccagnino@fhwa.dot.gov

**Primary Responsibilities**

- RD&T State Planning and Research Program Manager
- FHWA Manager for National Cooperative Highway Research Program (NCHRP)
- RD&T liaison for TRB activities
- State peer exchange program

**Major Projects**

- American Association of State Highway and Transportation Officials' (AASHTO) Standing Committee on Research and Research Advisory Committee (SCOR/RAC)
- Core Program contract with TRB• SHRP II Cooperative Agreement with TRB
- NCHRP coordination
- Liaison for NCHRP Projects 20-5 and 20-39(2)
- State peer exchange monitoring

**Backup Person**

Nazhat Aboobaker

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**Vacant***Research and Technology Program Analyst*

202-493-3414

**Primary Responsibilities**

- Performance planning
- Performance measures
- R&T strategic planning support
- Support for OST-level and multimodal R&T coordination
- Staff focal point for Office of Management and Budget (OMB) Program Assessment Rating Tool (PART) and interagency research program reviews

**Major Projects**

- RD&T Performance Plan
- RD&T Performance Management Working Group
- RD&T performance measures
- FHWA input into USDOT R&D Strategic Plan
- Staff support for USDOT RD&T Program Review Working Group

**Backup Person**

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**Nazhat Aboobaker**

*Program Analyst/Transportation Pooled Fund (TPF) Coordinator*

202-493-3146

nazhat.aboobaker@fhwa.dot.gov

**Primary Responsibilities**

- Promotion and administration of the TPF Program

**Major Projects**

- Management of TPF Program
- FHWA liaison for TPF projects
- TPF Web site updates
- TPF Program annual report
- Briefings and training on TPF Program

**Backup Person**

Bill Zaccagnino



**Office of Research and Technology Services**  
**Fax: 202-493-3475**

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**Office of Research and Technology Services, HRTS-01**

**Debra Elston**

*Acting Director*

202-493-3181

debra.elston@fhwa.dot.gov

**Primary Responsibilities**

- Leadership
- Budget planning
- Communications strategy

**Major Projects**

- T&I delivery
- R&T story

**Backup Person**

Martha Soneira

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**Kimberly Williams**

*Administrative Assistant (Contractor)*

202-493-3423

kimberly.williams@fhwa.dot.gov

**Primary Responsibilities**

- Administrative support to the Office Director, Strategic Communications Team, and the Technology Marketing Team

**Major Projects**

- Office activities scheduling
- Office materials proofreading
- Correspondence control/routing organization

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**Strategic Communications Team, HRTS-02**

**Martha Soneira**

*Team Leader*

202-493-3468

martha.soneira@fhwa.dot.gov

**Primary Responsibilities**

- Communications leadership
- Budget/quality coordination
- Communications consulting
- *Public Roads* Editor-in-Chief

**Major Projects**

- Communication support services management
- R&T marketing/communications network liaison
- Engineers Week and Future City coordination
- Office liaison for Infrastructure R&D
- CLEAR Communications Committee
- TFHRC Communication Plan

**Backup Person**

Paula Magoulas

**Paula Magoulas***Transportation Specialist*

202-493-3398

paula.magoulas@fhwa.dot.gov

**Primary Responsibilities**

- Communication Projects Coordinator
- Communication Support Service Coordinator
- Communication/graphic consultation
- *Public Roads* Creative Director

**Major Projects**

- Communication support services management
- Communication projects coordination
- Office liaison for Program Development and Evaluation

**Backup Person**Martha Soneira

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**Dawn Vanlandingham***Writer/Editor*

202-493-3198

dawn.vanlandingham@fhwa.dot.gov

**Primary Responsibilities**

- R&T multimedia and Web publishing
- TFHRC Web site management
- *Public Roads* Managing Editor
- Success story coordination

**Major Projects**

- Communications projects coordination
- Office liaison for Safety R&D and Program Development and Evaluation

**Backup Person**Martha Soneira

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**Technology Marketing Team, HRTS-03****Terry Halkyard***Team Leader*

202-493-3467

terry.halkyard@fhwa.dot.gov

**Primary Responsibilities**

- Technology marketing leadership
- Budget/quality coordination
- Electronic imaging library

**Major Projects**

- R&T Web site management
- Management of Highway Innovation Technology Evaluation Center Cooperative Agreement

**Backup Person**

**Vacant**

*Transportation Specialist*  
202-493-3187

**Primary Responsibilities**

- R&T Product Distribution Center Manager
- *Technology and Innovation* Managing Editor
- FHWA exhibit services support
- Multimedia technology
- Microsoft® PowerPoint® presentation assistance

**Major Projects**

- R&T Product Distribution Center
- Digital video and photography technology management
- Office liaison for Infrastructure R&D and Safety R&D

**Backup Person**

Terry Halkyard

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**Zachary Ellis**

*Publishing Specialist*  
202-493-3193  
zachary.ellis@fhwa.dot.gov

**Primary Responsibilities**

- Conference and Publishing Services Contract Manager
- R&T multimedia publishing
- Information fulfillment
- Photography
- *Focus* newsletter Managing Editor

**Major Projects**

- Technical Reference Center management
- Special Libraries Association
- Office liaison for Operations R&D

**Backup Person**

Terry Halkyard

---

**R&T Publications Support****Carlton Brigham**

*Onsite Manager (Contractor)*  
301-577-0818 · report.center@fhwa.dot.gov

**Primary Responsibilities**

- R&T Product Distribution Center, Lanham, MD

**Backup Person**

Terry Halkyard

**FHWA Research Library (formerly the Technical Reference Center)**

**Jennifer Boteler**

*Librarian (Contractor)*

202-493-3071

jennifer.boteler@fhwa.dot.gov

**Primary Responsibilities**

- FHWA Research Library Manager
- Reference, Interlibrary Loan

**Backup Person**

Velma Mackall

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**Velma Mackall**

*Library Technician (Contractor)*

202-493-3205

velma.mackall@fhwa.dot.gov

**Primary Responsibilities**

- FHWA Research Collection Support

**Backup Person**

Jennifer Boteler

**Office of Operations R&D**  
**Fax: 202–493–3419**

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**Office of Operations R&D, HRDO-01**

**Robert Ferlis**

*HRDO-01, Acting Director*

202–493–3268

robert.ferlis@fhwa.dot.gov

**Primary Responsibilities**

- Leadership of Operations R&D
- Transportation management and operations improvement through research, development, and testing
- Identification of future opportunities

**Major Projects**

- Office business plan
- Vehicle infrastructure integration (VII)

**Backup Person**

Raj Ghaman

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**Esther Camaño**

*Administrative Assistant*

202–493–3303

esther.camano@fhwa.dot.gov

**Primary Responsibilities**

- Administrative support

**Major Projects**

- Office management

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**Technical Director, HRDO-02**

**Robert Ferlis**

*Technical Director*

202–493–3268

robert.ferlis@fhwa.dot.gov

**Primary Responsibilities**

- Coordination of project team activities with FHWA's Strategic Plan and Performance Plan goals and objectives
- Technical advice for project teams
- Customer/partner feedback
- RD&T product deployment
- Advanced Research Program

**Major Projects**

- Unit planning
- ITS support
- Advanced mobility systems
- Liaison to headquarters and field offices
- Vehicle–Highway Automation
- Vehicle–Infrastructure Integration (VII)

**Backup Person**

Raj Ghaman

**Travel Management Team, HRDO-03****Raj Ghaman***Team Leader*

202-493-3270

raj.ghaman@fhwa.dot.gov

**Primary Responsibilities**

- Program management and development
- Contract management
- Technical direction
- Team management and leadership
- University Transportation Center (UTC)

**Major Projects**

- Adaptive control hardware and software development including national standards
- National Highway Institute course instruction
- Dynamic control software
- Adaptive Control Software (ACS) "Lite"
- Traffic management center (TMC) pooled fund

**Backup Person**

Deborah Curtis

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**Henry Lieu***Highway Research Engineer*

202-493-3273

henry.lieu@fhwa.dot.gov

**Primary Responsibilities**

- Development of Dynamic Traffic Assignments (DTA) Systems
- Capacity and level of service
- Infrastructure security
- Weather

**Major Project**

- Dynamic Traffic Assignments and traffic flow theory
- Technical support and program management
- Software testing
- Adverse weather traffic operations

**Backup Persons**

Raj Ghaman

Deborah Curtis

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**Deborah Curtis***Highway Research Engineer*

202-493-3267

deborah.curtis@fhwa.dot.gov

**Primary Responsibilities**

- ACS, ramp metering, ACS evaluation, and operation of work zones
- Advanced research
- Freight analysis and modeling

**Major Projects**

- Ramp metering for recurring and nonrecurring congestion
- Strategic Work Zone Analysis Program
- QuickZone and Work Zone Final rule

**Backup Person**

Raj Ghaman

**James Colyar***Highway Research Engineer*

202-493-3282

james.colyar@fhwa.dot.gov

**Primary Responsibilities**

- Freeway operations
- Traffic analysis and simulation tools
- Next Generation Simulation Modeling (NGSIM)
- Traffic modeling of evacuations

**Major Projects**

- Next Generation Simulation (NGSIM) program
- Traffic Analysis Toolbox
- CORSIM Application Guidelines
- Ramp Management and Control Handbook
- Coordinated Freeway and Arterial Operations Handbook
- Empirical Studies of Traffic Flow in Increment Weather

**Backup Person**Raj Ghaman

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**Dale Thompson***Transportation Specialist*

202-493-3420

dale.thompson@fhwa.dot.gov

**Primary Responsibilities**

- Operations partnerships
- Access management
- Performance measures and data quality

**Major Projects**

- TMC pooled fund
- Integrated corridor management systems

**Backup Person**Raj Ghaman

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**Randall VanGorder***Highway Research Engineer*

202-493-3266

randall.vangorder@fhwa.dot.gov

**Primary Responsibilities**

- Traffic Research Laboratory (TReL) development and management
- Incident management
- Intelligent Vehicle Initiative (IVI) specialty vehicles
- Technology facilitation

**Major Projects**

- Manage TReL
- Development of TReL integrated environment
- TReL Strategic Plan development
- Specialty vehicle field operational test with Minnesota DOT

**Backup Person**

Raj Ghaman



**Enabling Technologies Team, HRDO-04****Gene McHale***Team Leader*

202-493-3275

gene.mchale@fhwa.dot.gov

**Primary Responsibilities**

- Technical direction
- Team management and leadership
- Infrastructure-related aspects to cooperative vehicle-infrastructure collision avoidance systems

**Major Projects**

- Cooperative intersection Collision Avoidance Systems (CICAS)
- Vehicle Infrastructure Integration (VII)

**Backup Person**

Peter Huang

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**James Arnold***Electronic Engineer*

202-493-3265

james.a.arnold@fhwa.dot.gov

**Primary Responsibilities**

- Global positioning system (GPS)
- Dedicated short-range communication (DSRC)

**Major Projects**

- Nationwide Differential GPS (NDGPS) and High-Accuracy NDGPS
- Technical support to ITS communications systems

**Backup Person**

Rudy Persaud

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**David Gibson***Highway Research Engineer*

202-493-3271

david.gibson@fhwa.dot.gov

**Primary Responsibilities**

- Advanced and innovative research
- University research liaison
- Traffic sensors and detection

**Major Projects**

- Sensors and controllers for CICAS
- University Research Centers of Excellence
- Stereo-Pedestrian Sensor Project

**Backup Person**

Gene McHale

**Peter Huang**

*Highway Research Engineer*

202-493-3484

peter.huang@fhwa.dot.gov

**Primary Responsibilities**

- IVI enabling research
- Intersection collision avoidance

**Major Projects**

- Technologies for CICAS testing and evaluation
- Infrastructure-based intersection collision avoidance experimental tests with State departments of transportation
- ITS applications for work zones

**Backup Person**

David Gibson

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**Rudy Persaud**

*Highway Research Specialist*

202-493-3391

rudy.persaud@fhwa.dot.gov

**Primary Responsibilities**

- Road weather management
- Rural ITS
- GPS

**Major Projects**

- Winter maintenance decision support systems
- Environmental sensor stations investments
- NDGPS deployment

**Backup Person**

James Arnold

**Office of Safety R&D**  
**Fax: 202-493-3170 (HRDS-01) Fax: 202-493-3170 (HRDS-02, HRDS-06,**  
**HRDS-07) Fax: 202-493-3417 (HRDS-04, HRDS-05)**

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**Office of Safety R&D, HRDS-01**

**Michael Trentacoste**

*HRDS-01, Director*

202-493-3260

michael.trentacoste@fhwa.dot.gov

**Primary Responsibilities**

- Advocacy for a nationally coordinated Safety R&D Program
- Development of FHWA Safety R&D Program
- Advanced research program leadership

**Major Projects**

- FSHRP II Safety coordination
- FHWA Safety R&T Roadmap development
- RD&T Leadership Council efforts to improve TFHRC
- Facilitation of Safety R&D product and service deployments
- Advanced research planning and implementation process

**Backup Person**

Ray Krammes

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**Liz Simpson**

*HRDS-01, Administrative Assistant (Contractor)*

202-493-3260

**Primary Responsibilities**

- Administrative support

**Major Projects**

- Office management

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**Technical Direction, HRDS-02**

**Ray Krammes**

*Technical Director*

202-493-3312

ray.krammes@fhwa.dot.gov

**Primary Responsibilities**

- Safety R&D Program coordination
- Direction and delivery of FHWA Safety R&D Program
- Technical oversight and guidance

**Major Projects**

- National Highway R&T Partnership Initiative-Safety
- SafetyAnalyst project
- *Highway Safety Manual*

**Backup Person**

Michael Trentacoste

**Vacant**

*Technology Facilitator*  
202-493-3313

**Primary Responsibilities**

- Technology transfer and marketing safety products
- Customer feedback

**Major Projects**

- Technology facilitation strategy development
- Customer satisfaction survey
- Single FHWA Safety program website

**Backup Person**

Ray Krammes

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**Diana Martin**

*Program Analyst*  
202-493-3168  
diana.martin@fhwa.dot.gov

**Primary Responsibilities**

- Procurement planning and management
- Accounting and budget planning, development and monitoring

**Major Projects**

- Tracking office expenditures
- Accountable property inventories
- Information technology equipment and office/lab space needs assessment

**Backup**

Ray Krammes

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**Advanced Research****Kunik Lee**

*Chief Safety Scientist*  
202-493-3491  
kunik.lee@fhwa.dot.gov

**Primary Responsibilities**

- Develop innovative change for an integrated approach to improving highway safety
- Conduct research into vehicle compatibility with other vehicles, roadside hardware, and other road features
- Advanced Research Initiatives

**Major Projects**

- Develop program options for vehicle compatibility with roadside hardware
- Promote further development and application of the Digital Highway Measurement (DHM) System

**Backup Person**

Ray Krammes

**Vacant**

*Electronic Engineer*  
202-493-3338

**Primary Responsibilities**

- Advanced research
- Sensors
- Electromagnetics
- Simulation

**Major Projects**

- Digital Highway Measurements System
- Software testing
- Pattern recognition algorithms development

**Backup Person**

Kunik Lee

---

**Roadside Team, HRDS-04****Ken Opiela**

*Team Leader*  
202-493-3371  
kenneth.opiela@fhwa.dot.gov

**Primary Responsibilities**

- Roadside Team management
- Management of FHWA/NHTSA National Crash Analysis Center (NCAC)
- Monitor changing roadside safety trends and contributing factors
- Develop and execute roadside safety R&D plan and disseminate results
- Coordinate crash analysis efforts with partner agencies
- Manage NCAC/Roadside outreach efforts

**Major Projects**

- Develop and maintain finite element (FE) models of vehicles and roadside elements for crash simulation
- Support efforts related to updating national crashworthiness standards
- Evaluation of roadside hardware effectiveness
- Analysis and design of physical infrastructure protection
- Analysis of vehicle rollover crashes and mitigation options

**Backup Person**

Martin Hargrave

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**Martin Hargrave**

*Research Mechanical Engineer*  
202-493-3311  
martin.hargrave@fhwa.dot.gov

**Primary Responsibilities**

- Manage the Federal Outdoor Impact Laboratory (FOIL), a vehicle crash test laboratory used to support finite element analysis (FEA)
- Advance the use of dynamic FEA software to design crashworthy roadside safety structures and predict vehicle crash outcomes

- Coordinate support of Technical Centers throughout the Nation to apply cutting-edge FEA technology to real-world safety problems
- Promote application of new materials (i.e., high performance composites) for roadside safety devices

**Major Projects**

- Develop software to determine FEA material model coefficients from test data
- Composite material guardrail system development
- Analyze options for lower cost placement of underground utilities adjacent to highways

**Backup Person**

Ken Opiela

---

**Vacant**

*Highway Research Engineer*  
202-493-xxxx

**Primary Responsibilities**

- Inverse analysis
- Roadside safety

**Major Projects**

- Optimization and inverse roadside safety analysis
- Simulation modeling research and development
- Rollover causation and reduction study

**Backup Person**

Ken Opiela

---

**Roadway Team, HRDS-05****Carl Andersen**

*Team Leader*  
202-493-3366  
carl.andersen@fhwa.dot.gov

**Primary Responsibilities**

- Roadway Team Leader
- Arens Photometric and Visibility Laboratory
- Roadway visibility research

**Major Projects**

- Night visibility enhancement
- Roadway visibility modeling
- Traffic signal light improvement
- Visibility and lighting research

**Backup Person**

Joe Bared  
Abdul Zineddin

**Vacant**

*Highway Research Engineer*  
202-493-xxxx

**Primary Responsibilities**

- Geometric design and safety
- Safety analysis tools

**Major Projects**

- Interactive Highway Safety Design Model (HSDM)
- Speed management research program

**Backup Person**

Joe Bared  
Carl Andersen

---

**Joe Bared**

*Highway Research Engineer*  
202-493-3314  
joe.bared@fhwa.dot.gov

**Primary Responsibilities**

- Intersection safety and operations
- Safety and geometric design

**Major Projects**

- Implementation of surrogate safety assessment methods in traffic simulation models
- Safety and operational evaluation of alternative intersection and interchange designs

**Backup Person**

Wei Zhang

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**Wei Zhang**

*Highway Research Engineer*  
202-493-3317 · wei.zhang@fhwa.dot.gov

**Primary Responsibilities**

- Traffic engineering and safety
- Software development oversight

**Major Projects**

- Intersection research program
- Work zone safety

**Backup Person**

Joe Bared

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**Abdul Zineddin**

*Highway Research Engineer*  
202-493-3369  
abdul.zineddin@fhwa.dot.gov

**Primary Responsibilities**

- Visibility
- Traffic engineering and human factors



**Major Projects**

- Pavement marking retroreflectivity research
- Speed management research
- Traffic control devices research

**Backup Person**

Carl Andersen

---

**Safety Management Team, HRDS-06****Carol H. Tan**

*Team Leader*

202-493-3315

carol.tan@fhwa.dot.gov

**Primary Responsibilities**

- Highway safety analysis
- Highway safety data
- GIS safety applications
- Safety management systems

**Major Projects**

- Activities involving Highway Safety Information System (HSIS)
- Crash Prediction Algorithm of IHSDM

- Safety Analyst development support
- Development of the Minimum Inventory of Roadway Elements
- Motorcycle Crash Causation Study

**Backup Person**

Roya Amjadi

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**Roya Amjadi**

*Transportation Specialist*

202-493-3383

Roya.amjadi@fhwa.dot.gov

**Primary Responsibilities**

Traffic Engineering and Safety

Highway safety analysis

**Major Projects**

Rollover Causation Study

**Backup Person**

Carol H. Tan

---

**Vacant**

*Highway Research Engineer*

202-493-3318

**Primary Responsibilities**

- Highway safety analysis
- Safety management

**Major Projects**

- Roadside/roadway hardware asset management
- Countermeasure evaluation

**Backup Person**

Carol H. Tan

---

**Human Centered Systems Team, HRDS-07****Thomas M. Granda**

*Team Leader, Engineering Research Psychologist*

202-493-3365

thomas.granda@fhwa.dot.gov

**Primary Responsibilities**

- Human Centered Systems (HCS) program
- HCS technical support management

**Major Projects**

- HCS safety research program
- HCS operations research program
- Transportation Management Center Pooled Fund Study

**Backup Person**

Amanda Emo

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**Ann Do**

*Highway Research Engineer*

202-493-3319

ann.do@fhwa.dot.gov

**Primary Responsibilities**

- Pedestrian and bicycle safety
- Geometric design and safety

**Major Projects**

- Pedestrian and Bicycle Safety Research Program

**Backup Person**

Thomas M. Granda

---

**Gregory Davis**

*Engineering Research Psychologist*

202-493-3367

gregory.davis@fhwa.dot.gov

**Primary Responsibilities**

- HCS safety research
- Intelligent highway countermeasures
- Safety R&D task order contract

**Major Projects**

- Human factors research on novel intersection designs
- Accessibility issues at intersections
- Cooperative intersection collision avoidance systems

**Backup Person**

Thomas M. Granda

**Vacant**

*Engineering Research Psychologist*  
202-493-3370

**Primary Responsibilities**

- HCS Laboratory Manager
- Safety and operations research
- Highway driving simulator

**Major Projects**

- Visibility studies
- Traffic Control Devices Pooled Fund Study

**Backup Person**

Thomas M. Granda

---

**Amanda Emo**

*Engineering Research Psychologist*  
202-493-3395  
amanda.emo@fhwa.dot.gov

**Primary Responsibilities**

- HCS safety research (pedestrian and bicycle safety, speed management)
- Older driver research

**Major Projects**

- Speed management research
- Pedestrian and bicycle safety research

**Backup Persons**

Thomas M. Granda

## **Office of Infrastructure R&D**

**Fax: 202-493-3442 (HRDI-01, HRDI-02, HRDI-07) Fax: 202-493-3086 (HRDI-03, HRDI-05, HRDI-10) Fax: 202-493-3161 (HRDI-04, HRDI-11, HRDI-12, HRDI-13) Fax: 202-493-3477 (HRDI-06)**

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### **Office of Infrastructure R&D, HRDI-01**

#### **Gary L. Henderson**

HRDI-01, Director

202-493-3022

gary.henderson@fhwa.dot.gov

#### **Primary Responsibilities**

- Program direction and guidance for the Office of Infrastructure R&D
- Technical and administrative supervision of HRDI teams
- Interaction with headquarters and Resource Center

#### **Major Projects**

- Consolidated RD&T multiyear needs, programs, and budget
- National Partnership Initiative advancement
- Corporate management strategies development

#### **Backup Person**

John M. McCracken

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#### **John McCracken**

HRDI-01, Research Program Manager

202-493-3422

john.mccracken@fhwa.dot.gov

#### **Primary Responsibilities**

- Policy, direction, and management support to Office Director
- Program development and delivery direction to HRDI teams

#### **Major Projects**

- HRDI management strategies and business practices
- Infrastructure R&T Program development

#### **Backup Person**

Cheryl Richter

---

#### **Janet Klein**

HRDI-01, Administrative Program Assistant

202-493-3384

janet.klein@fhwa.dot.gov

#### **Primary Responsibilities**

- Administrative support for the Infrastructure R&D Program

#### **Major Projects**

- Time and attendance personnel documents
  - Team leader council meeting plans and minutes
  - Office supplies
  - Office communication activities
- 

#### **Nicole McPherson**

HRDI-01, Administrative Assistant (Contractor)

202-493-3022

nicole.mcpherson@fhwa.dot.gov

**Primary Responsibilities**

- Administrative support to the Office Director; Research Program Manager; Program Coordinator; Technical Director for Bridges; the Bridge Design and Construction Team; the Bridge Safety, Reliability, and Security Team; and the Infrastructure Inspection and Management Team
- 

**Andrena Johnson**

HRDI-04, Administrative Assistant (Contractor)

202-493-3143

andrena.johnson@fhwa.dot.gov

**Primary Responsibilities**

- Administrative support to the Technical Director for Pavements, the Advanced Research Coordinator, the Pavement Materials and Construction Team, the Pavement Design and Performance Modeling Team, and the Long-Term Pavement Performance Team
- 

**Cara Fitzgerald**

HRDI-02, Program Coordinator

202-493-3376

cara.fitzgerald@fhwa.dot.gov

**Primary Responsibilities**

- Advice to Office Director on office operations
- Program coordination and monitoring
- Fiscal accountability within the office

**Major Projects**

- Office management initiatives
  - Program and budget monitoring
  - Accountable property inventory updates
- 

**Ian M. Friedland**

Technical Director, Bridge and Structures R&D, HRDI-03

202-493-3023

ian.friedland@fhwa.dot.gov

**Primary Responsibilities**

- Leadership and technical direction for bridge- and structures-related programs and studies
- Promotion of RD&T products

**Major Projects**

- Program and budget documents
  - External partnerships development
  - Technology facilitation for bridges and other highway structures
- 

**Cheryl Richter**

Technical Director, Pavement R&D, HRDI-04

202-493-3070

cheryl.richter@fhwa.dot.gov

**Primary Responsibilities**

- Leadership and technical direction for pavement-related programs and studies
- Promotion of RD&T products

**Major Projects**

- Program and budget documents
- External partnerships development
- Technology facilitation for pavements

**Richard Livingston**

Advanced Research Coordinator, HRDI-05  
202-493-3063  
dick.livingston@fhwa.dot.gov

**Primary Responsibilities**

- Advanced research

**Major Projects**

- Embeddable sensor systems
  - Nondestructive evaluation (NDE) for materials characterization
  - Materials science of portland cement concrete (PCC) setting
  - PCC durability
- 

**Bridge Design and Construction Team, HRDI-06****Bill Wright**

*Team Leader*  
202-493-3053  
bill.wright@fhwa.dot.gov

**Primary Responsibilities**

- Bridge Design and Construction Team Leader
- High-performance steel research

**Major Projects**

- Bridge of the Future
  - Fatigue and fracture
  - Corrosion resistant steel
- 

**Mike Adams**

*Research Civil Engineer*  
202-493-3025  
mike.adams@fhwa.dot.gov

**Primary Responsibilities**

- Geotechnical Laboratory Manager
- Retaining wall systems
- Construction Engineering
- Shallow foundations engineering
- Engineering geology

**Major Projects**

- Bridge of the Future
- Reinforced soil beneath spread footings
- Geosynthetic Reinforced Soil (GRS) structures

**Backup Person**

Carl Ealy

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**Carl Ealy**

*Geotechnical Research Engineer*  
202-493-3039  
carl.ealy@fhwa.dot.gov

**Primary Responsibilities**

- Deep foundations engineering
- In situ testing techniques

- Innovative load testing systems
- Load and Resistance Factor Design (LRFD) for geotechnical engineering

#### **Major Projects**

- Resistance factors for piles and drilled shafts
- Application of high performance materials to bridge foundations
- Health monitoring technologies for foundation construction and performance

#### **Backup Person**

Mike Adams

---

#### **Fassil Beshah**

*Structures Laboratory Manager*

202-493-3041

fassil.beshah@fhwa.dot.gov

#### **Primary Responsibilities**

- Structures Laboratory Manager
- High-performance materials

#### **Major Projects**

- Bridge of the Future
- High-performance material applications for bridges

#### **Backup Person**

Bill Wright

---

#### **Benjamin Graybeal**

*Research Structural Engineer*

202-493-3122

benjamin.graybeal@fhwa.dot.gov

#### **Primary Responsibilities**

- High-Performance Concrete
- Ultra High-Performance Concrete
- Structural testing
- Concrete bridges

#### **Major Projects**

- Bridge of the Future
- High-performance concrete bridges
- Concrete specifications
- High-performance materials

#### **Backup Persons**

Bill Wright

---

#### **Bridge Safety, Reliability, and Security Team, HRDI-07**

##### **Sheila Rimal Duwadi**

*Team Leader*

202-493-3106

sheila.duwadi@fhwa.dot.gov

#### **Primary Responsibilities**

- Bridge Safety, Reliability, and Security Team Leader
- Timber bridge research



- Bridge design
- Bridge and tunnel security

### **Major Projects**

- Bridge and tunnel security research
- Advanced wood/FRP composites

### **Backup Person**

John O'Fallon

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### **Harold Bosch**

*Research Structural Engineer*

202-493-3031

harold.bosch@fhwa.dot.gov

### **Primary Responsibilities**

- Aerodynamics Laboratory Manager
- Structural dynamics
- Aerodynamic stability
- Wind loads on structures
- Weigh-in-motion

### **Major Projects**

- Wind research
- Aerodynamic stability of bridges
- Wind-induced vibration of cables
- Aerodynamic properties of tapered cylinders
- Prediction methods for aerodynamic response
- Computational Fluid Dynamic flow simulation techniques

### **Backup Person**

Sheila Rimal Duwadi

---

### **Kornel Kerenyi**

*Research Hydraulic Engineer*

202-493-3142

kornel.kerenyi@fhwa.dot.gov

### **Primary Responsibilities**

- Hydraulics Laboratory Manager
- Hydraulics and hydrology of highway structures

### **Major Projects**

- Bridge scour
- Pressure flow scour
- Culvert hydraulics
- Bottomless culverts
- Highway drainage
- Multihazard modeling

### **Backup Person**

Sheila Rimal Duwadi

---

### **Eric Munley**

*Research Structural Engineer*

202-493-3046

eric.munley@fhwa.dot.gov

**Primary Responsibilities**

- Fiber-reinforced polymer (FRP) composites
- Adhesive-bonded connections
- Security assessment and training
- Vessel Collision

**Major Projects**

- FRP pre-stressing
- Adhesives research
- FRP specification development
- Accelerated test development for FRP materials
- Bridge and Tunnel Vulnerability Assessments
- Countermeasure Assessments

**Backup Person**

Sheila Rimal Duwadi

---

**John O'Fallon**

*Bridge Research Engineer*

202-493-3051

john.o'fallon@fhwa.dot.gov

**Primary Responsibilities**

- General bridge engineering
- Culverts
- Historic structures

**Major Projects**

- Seismic vulnerability assessment
- Covered bridge preservation

**Backup Person**

Sheila Rimal Duwadi

---

**Phillip Yen**

*Research Structural Engineer*

202-493-3056

wen-huei.yen@fhwa.dot.gov

**Primary Responsibilities**

- Seismic research program
- LRFD design for structures

**Major Projects**

- Bridge vibration testing
- Bridge Seismic Instrumentation
- Seismic vulnerability
- Multihazard analysis of highway structures
- Seismic performance testing
- United States-Japan research in bridge seismic design and retrofitting

**Backup Person**

Sheila Rimal Duwadi

## **Infrastructure Inspection and Management Team, HRDI-10**

### **Joey Hartmann**

*Team Leader*

202-493-3059

joey.hartmann@fhwa.dot.gov

#### **Primary Responsibilities**

- Infrastructure Inspection and Management Team Leader

#### **Major Projects**

- Stewardship and management of existing bridges
- NDE
- Bridge management systems
- Corrosion and coating

#### **Backup Person**

Hamid Ghasemi

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### **Hamid Ghasemi**

*Research Structural Engineer*

202-493-3042

hamid.ghasemi@fhwa.dot.gov

#### **Primary Responsibilities**

- Long-Term Bridge Performance Program
- Bridge Management Information Systems Laboratory Manager
- Structural health monitoring
- Bridge dynamics
- Earthquake protective systems
- United States-Turkey collaboration on bridge design and health monitoring related issues

#### **Major Projects**

- Health monitoring of signature bridges
- Earthquake protective systems
- Bridge dynamics and modal testing
- Seismic isolation
- Near-source ground motions

#### **Backup Person**

Joey Hartmann

---

### **Vacant**

*Research Chemist*

202-493-3081

#### **Primary Responsibilities**

- Bridge Coatings Laboratory Manager
- Bridge coating research
- Paint testing and coating evaluation methods
- Oversight of Paint, Corrosion, and Scanning Electron Microscope Laboratories
- Dissemination of coating research results
- Solutions for field coating failure problems

#### **Major Projects**

- Accelerated test methods for evaluation of coating materials
- Performance evaluation of fast drying coatings

#### **Backup Person**

Seung-Kyoung Lee

**Seung-Kyoung Lee**  
*Research Corrosion Engineer*  
202-493-3077  
seung-kyoung.lee@fhwa.dot.gov

**Primary Responsibilities**

- Corrosion protection of highway structures

**Major Projects**

- Corrosion of reinforced concrete bridge elements
- Material integrity testing for bridges

**Backup Person**

Paul Virmani

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**Paul Virmani**  
*Research Chemist*  
202-493-3052  
paul.virmani@fhwa.dot.gov

**Primary Responsibilities**

- Corrosion protection systems
- Bridge deck durability

**Major Projects**

- Corrosion costs and preventive strategies
- Nondestructive tools for corrosion detection
- Cathodic protection systems
- Corrosion resistant reinforcement

**Backup Person**

Seung-Kyoung Lee

---

**Frank Jalinoos**  
*Nondestructive Evaluation (NDE) Program Manager*  
202-493-3082  
frank.jalinoos@fhwa.dot.gov

**Primary Responsibilities**

- NDE Validation Center Manager
- Bridge NDE
- Steel Bridge Testing Program

**Major Projects**

- NDE technologies for bridges
- Ground-penetrating radar (GPR), including the High-speed Electromagnetic Roadway Mapping and Evaluation System (HERMES) and the Precision Electromagnetic Roadway Evaluation System (PERES)
- Crack detection methods
- Condition assessment of pre-stressed tendons
- Automated ultrasonic testing
- FHWA Steel Bridge Testing Program

**Backup Person**

Hamid Ghasemi

**Pavement Materials and Construction Team, HRDI-11****Jack Youtcheff***Team Leader*

202-493-3090

**Primary Responsibilities**

Team Leader

- Pavement Materials and Construction Research

**Major Projects**

- Understanding the performance of modified binders in asphalt mixes
- Moisture Sensitivity of Asphalt
- OECD Long Life Pavements
- Asphalt Research Consortium
- Asphalt Durability

**Backup Persons**

Nelson Gibson

Richard Meininger

---

**Ernest Bastian***Materials Research Chemist*

202-493-3075

ernest.bastian@fhwa.dot.gov

**Primary Responsibilities**

- SIMAP Laboratory Manager
- Asphalt rheology and chemistry

**Major Projects**

- Fundamental properties of asphalt and modified asphalt
- National Research Council research associate manager

**Backup Person**

Jack Youtcheff

---

**Fred Faridazar***Highway Research Engineer*

202-493-3076

fred.faridazar@fhwa.dot.gov

**Primary Responsibilities**

- Computer guidelines for PCC pavement performance prediction
- Long-term behavior of jointed concrete pavement
- Early-age behavior of continuously reinforced concrete pavement
- Lithium technologies to mitigate or prevent alkali-silica reactivity (ASR)

**Major Projects**

- Computer-based guidelines for concrete pavements
- HIPERPAV

**Backup Person**

Peter Kopac

**Nelson Gibson**

*Materials Research Engineer*

202-493-3073

nelson.gibson@fhwa.dot.gov

**Primary Responsibilities**

- Asphalt Laboratory Manager (Binder and Mixture)
- ALF research
- Asphalt technology

**Major Projects**

- Superpave Modification
- Warm Mix
- Performance tests
- Understanding the performance of modified binders in asphalt mixes

**Backup Person**

Jack Youtcheff

---

**Vacant**

*Highway Research Engineer*

202-493-3xxx

**Primary Responsibilities**

- Concrete Materials Research

**Backup Person**

Richard Meininger

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**Richard Meininger**

*Research Highway Engineer*

202-493-3191

richard.meininger@fhwa.dot.gov

**Primary Responsibilities**

- PCC Laboratories Manager
- PCC component materials, properties, and specifications
- PCC mixture proportioning
- PCC properties and performance
- Aggregate Research

**Major Projects**

- Concrete Mix Design & Analysis
- Rapid test for alkali-silica susceptibility
- PCC freeze-thaw performance
- PCC Thermal Coefficient of Expansion-test method and data for Long-Term Pavement Performance (LTPP) database

**Backup Person**

Jack Youtcheff

---

**Dennis Sixbey**

*Research Materials Engineer*

202-493-3078

dennis.sixbey@fhwa.dot.gov

**Primary Responsibilities**

- Laboratory services support
- Surface characteristics
- PCC pavement materials

**Backup Person**

Jack Youtcheff

---

**Vacant**

*Materials Research Chemist*  
202-493-3090

**Primary Responsibilities**

- Chemistry Laboratory Manager
- Asphalt chemistry and technology

**Major Projects**

- Fundamental properties of asphalt, modified asphalt, and alternative materials
- Understanding the performance of modified binders in asphalt mixes
- Akali-Silica reactivity

**Backup Person**

Jack Youtcheff  
Ernest Bastian

---

**Pavement Design and Performance Modeling Team, HRDI-12****Katherine Petros**

*Team Leader*  
202-493-3154  
katherine.petros@fhwa.dot.gov

**Primary Responsibilities**

- Team Leader
- Pavement design and performance modeling

**Major Projects**

- *Mechanistic-Empirical Pavement Design Guide*
- Mechanistic performance prediction models
- Performance-related specifications

**Backup Persons**

Peter Kopac

---

**Eric Weaver**

*Highway Research Engineer*  
202-493-3153  
Eric.weaver@fhwa.dot.gov

**Primary Responsibilities**

- Computation Resource Manager
- Pavement structural design
- Performance-related specifications

**Major Projects**

- Design Guide Implementation Team
- Pavement Performance prediction models

- FWD Calibration Pooled Funds Study
- Geosynthetics in Pavements
- WRI Asphalt Pavement Consortium

**Backup Person**

Katherine Petros

---

**James Sherwood**

*Highway Research Engineer*

202-493-3150

jim.sherwood@fhwa.dot.gov

**Primary Responsibilities**

- PCC pavement design and performance
- PCC pavement maintenance and rehabilitation

**Major Projects**

- Design Guide Implementation Team
- Concrete performance prediction modeling
- Ultra-thin whitetopping

**Backup Persons**

Katherine Petros

Peter Kopac

---

**Nadarajah Sivaneshwaran (Siva)**

*Highway Research Engineer*

202-493-3147

nadarajah.sivaneshwaran@fhwa.dot.gov

**Primary Responsibilities**

- Pavement performance modeling
- Pavement Management Systems
- Life Cycles Cost Analysis

**Major Projects**

- Life cycle cost analysis
- Heavy vehicle/tire impacts on pavement damage
- Mechanistic analysis of pavement structures
- Performance prediction modeling
- CA4PRS development

**Backup Persons**

Katherine Petros

James Sherwood

---

**Peter Kopac**

*Research Highway Engineer*

202-493-3151

peter.kopac@fhwa.dot.gov

**Primary Responsibilities**

- Advanced quality systems
- Pavement performance-related specifications
- Statistical quality control
- Quality assurance specifications



**Major Projects**

- FRP composites
- Performance-related specifications
- Optimal statistical acceptance procedures
- Relating construction to performance
- Concrete Pavement Road Map

**Backup Persons**

Katherine Petros  
James Sherwood

**Long-Term Pavement Performance Team, HRDI-13****Aramis López**

*Team Leader*

202-493-3145

aramis.lopez@fhwa.dot.gov

**Primary Responsibilities**

- LTPP Team Leader
- LTPP product coordination

**Major Projects**

- LTPP daily operations
- LTPP technical support services
- LTPP international coordination
- TRB LTPP Committee
- TRB LTPP Expert Task Groups (ETG)

**Backup Person**

Jack Springer

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**Jack Springer**

*Highway Research Engineer*

202-493-3144

jack.springer@fhwa.dot.gov

**Primary Responsibilities**

- LTPP field operations
- LTPP materials testing
- LTPP seasonal monitoring data
- LTPP distress data collection
- LTPP Automated Weather Stations
- LTPP Materials Reference Laboratory
- AASHTO SOM Secretary

**Major Projects**

- Regional contract support
- Resilient Modulus and material testing
- TRB ETG on LTPP materials and Falling-Weight Deflectometer (FWD) data collection and analysis

**Backup Person**

Aramis López

---

**Deborah Walker**

*Highway Research Engineer*

202-493-3068

deborah.walker@fhwa.dot.gov

**Primary Responsibilities**

- LTPP traffic activities
- LTPP communications

**Major Projects**

- Specific Pavement Studies Traffic Pooled Fund Study
- LTPP traffic analysis software
- LTPP traffic data collection
- LTPP traffic data forecasting and backcasting

**Backup Person**

Aramis López

**Vacant**

*Highway Research Engineer*  
202–493–3xxx

**Primary Responsibilities**

- LTPP database activities
- LTPP FWD operations
- LTPP documentation
- MEPDG Implementation Team

**Major Projects**

- FWD Pooled Fund Study
- FWD calibration
- LTPP database management
- TRB ETG on LTPP Database Development and Operations

**Backup Person**

Aramis López

---

**Larry Wiser**

*Highway Research Engineer*  
202–493–3079  
larry.wiser@fhwa.dot.gov

**Primary Responsibilities**

- LTPP Customer Support Service Center (CSSC)
- LTPP data analysis
- LTPP profile measurement
- LTPP data studies and computed parameters

**Major Projects**

- LTPP CSSC operations
- Data analysis projects and contracts
- TRB ETG on LTPP data analysis
- ETG on Distress and Profile Data collection and analysis

**Backup Person**

Aramis López

**Antonio Nieves**

*LTPP Field Engineer – Office of Pavement Technology*

202-493-3074

antonio.nieves@fhwa.dot.gov

**Primary Responsibilities**

- LTPP Products Team Leader
- LTPP products

**Major Projects**

- LTPP DataPave Online
- LTPPBind software
- TRB Product Subcommittee
- Distress Viewer & Analyzer (DIVA) Software
- Anytime Weather (ATW) Software
- Rigid Pavement Design Software

**Backup Person**

Mike Movavec

Aramis López

## Index

Last Name	First Name	Phone Number	Room	Route	Page
Aboobaker	Nazhat	202-493-3146	T-305	HRPD-01	12
Adams	Mike	202-493-3025	F-116	HRDI-06	32
AmJadi	Roya	202-493-xxxx	T-210	HRDS-06	27
Andersen	Carl	202-493-3366	T-303	HRDS-05	25
Arnold	James	202-493-3265	T-204	HRDO-04	20
Asmerom	Ariam	202-493-3469	F-204	HRTC-01	5
Bared	Joe	202-493-3314	T-303	HRDS-05	26
Bastian	Ernest	202-493-3075	F-209	HRDI-11	38
Beshah	Fassil	202-493-3041	Trailer #2	HRDI-06	33
Bosch	Harold	202-493-3031	F-G09	HRDI-07	34
Boteler	Jennifer	202-493-3071	A-200	HRTS-03	16
Bravo	Nelda	202-493-3470	T-305	HRPD-01	10
Brigham	Carlton	301-577-0818	off-site	HRTS-03	15
Camaño	Esther	202-493-3303	T-204	HRDO-01	17
Chase	Steve	202-493-3038	T-301	HRT-1	3
Colyar	James	202-493-3282	T-204	HRDO-03	19
Conway	Joe	202-493-3186	F-204	HRTC-01	4
Curtis	Deborah	202-493-3267	T-204	HRDO-03	18
Curtis	Georgia	202-493-3180	T-310	HRRM-01	7
Davis	Gregory	202-493-3367	T-210	HRDS-07	28
Do	Ann	202-493-3319	T-210	HRDS-06	28
Duwadi	Sheila Rimal	202-493-3106	T-111	HRDI-07	33
Ealy	Carl	202-493-3039	F-116	HRDI-06	32
Ellis	Zachary	202-493-3193	F-204	HRTS-03	15
Elston	Debra	202-493-3181	F-218	HRTC-01	4
Emo	Amanda	202-493-3395	T-210	HRDS-07	29
Faridazar	Fred	202-493-3076	F-206	HRDI-11	38
Ferlis	Robert	202-493-3268	T-204	HRDO-02	17
Fitzgerald	Cara	202-493-3376	T-112	HRDI-02	31
Friedland	Ian	202-493-3023	F-211	HRDI-03	31
Ghaman	Raj	202-493-3270	T-204	HRDO-03	18
Ghasemi	Hamid	202-493-3042	T-111	HRDI-10	36
Gibson	David	202-493-3271	T-204	HRDO-04	20
Gibson	Nelson	202-493-3073	F-209	HRDI-11	39
Granda	Thomas M.	202-493-3365	T-210	HRDS-07	28
Graybeal	Benjamin	202-493-3122	F-116	HRDI-06	33
Halkyard	Terry	202-493-3467	F-204	HRTS-03	14
Hargrave	Martin	202-493-3311	T-303	HRDS-04	24
Hartmann	Joey	202-493-3059	F-209	HRDI-06	36
Henderson	Gary	202-493-3022	T-112	HRDI-01	30
Huang	Peter	202-493-3484	T-204	HRDO-04	21
Jalinoos	Frank	202-493-3082	A-M3	HRDI-10	37
Jernigan	Jack	202-493-3363	T-305	HRPD-01	11
Judycki	Dennis	202-493-3999	T-306	HRT-1	3
Kenney	Marci	202-493-3166	T-305	HRPD-01	10

Kerenyi	Kornel	202-493-3142	T-111	HRDI-07	34
Kerr	Brian	202-493-3000	T-106	HAIM-20	9
Klein	Janet	202-493-3384	T-107	HRDI-01	30
Kopac	Peter	202-493-3151	F-206	HRDI-12	41
Krammes	Ray	202-493-3312	T-303	HRDS-05	22
Landolt	Jean	202-493-3999	T-306	HRT-1	3
Lee	Angela	202-493-3471	T-310	HRRM-01	8
Lee	Kunik	202-493-3491	T-301	HRDS-04	23
Lee	Seung-Kyoung	202-493-3077	F-211	HRDI-10	37
Lieu	Henry	202-493-3273	T-204	HRDO-03	18
Livingston	Richard	202-493-3063	F-211	HRDI-05	32
López	Aramis	202-493-3145	F-209	HRDI-13	42
Mackall	Velma	202-493-3205	A-200	HRTS-03	16
Magoulas	Paula	202-493-3398	F-204	HRTS-02	14
Martin	Diana	202-493-3168	T-210	HRDS-05	23
McCarthy	Doreen	202-493-3175	T-310	HRRM-01	6
McCracken	John	202-493-3422	T-111	HRDI-01	30
McCrae	TaMara	202-493-3382	F-204	HRTC-01	5
McHale	Gene	202-493-3275	T-204	HRDO-04	20
McPherson	Nicole	202-493-3022	T-111	HRDO-04	30
Meininger	Richard	202-493-3191	F-206	HRDI-11	39
Moyer	Joe	202-493-3370	T-301	HRT-01	3
Munley	Eric	202-493-3046	T-111	HRDI-06	34
Munro	John	202-493-3368	F-204	HRTC-01	4
Nasabzadeh	Masoud	202-493-3047	T-310	HRRM-01	8
Nguyen	Quang	202-493-3298	T-310	HRRM-01	7
Nieves	Antonio	202-493-3074	F-206	HRDI-13	44
O'Fallon	John	202-493-3051	T-111	HRDI-07	35
Opiela	Ken	202-493-3371	T-301	HRDS-04	24
Persaud	Rudy	202-493-3391	T-204	HRDO-04	21
Petros	Katherine	202-493-3154	F-209	HRDI-12	40
Richter	Cheryl	202-493-3070	F-209	HRDI-04	31
Roberts	Carol	202-493-3185	T-310	HRRM-01	8
Shehade	Chris	202-493-3179	T-310	HRRM-01	6
Sherwood	James	202-493-3150	F-209	HRDI-12	41
Sivaneswaran	Nadarajah	202-493-3147	F-209	HRDI-12	41
Sixbey	Dennis	202-493-3078	F-211	HRDI-11	39
Soneira	Martha	202-493-3468	F-204	HRTS-02	13
Springer	Jack	202-493-3144	F-209	HRDI-13	42
Tan	Carol H.	202-493-3315	T-210	HRDS-06	27
Thompson	Dale	202-493-3420	T-204	HRDO-03	19
Trentacoste	Michael	202-493-3260	T-306	HRDS-01	22
VanGorder	Randall	202-493-3266	T-204	HRDO-03	19
Vanlandingham	Dawn	202-493-3198	F-204	HRTS-02	14
Virmani	Paul	202-493-3052	T-111	HRDI-10	37
Walker	Deborah	202-493-3068	F-209	HRDI-13	42
Weaver	Eric	202-493-3153	F-209	HRDI-13	40
Williams	Kimberly	202-493-3423	F-219	HRTS-01	13
Wiser	Larry	202-493-3079	F-206	HRDI-13	43
Wright	Bill	202-493-3053	A-103	HRDI-06	32

Yen	Phillip	202-493-3056	T-111	HRDI-07	35
Youtcheff	Jack	202-493-3090	F-110	HRDI-11	38
Zaccagnino	Bill	202-493-3183	T-305	HRPD-01	11
Zhang	Wei	202-493-3317	T-303	HRDS-05	26
Zineddin	Abdul	202-493-3369	T-303	HRDS-05	26

## **Directions**

### **FROM REAGAN NATIONAL AIRPORT**

Take the George Washington (GW) Memorial Parkway toward Washington, DC. Continue along the GW Memorial Parkway approximately 15.8 km (9.8 mi). Continue past the exit for Route 123 and take the exit marked by a small brown sign that reads, "George Bush Center for Intelligence CIA/FHWA." At the yield sign, take the entrance that veers to the right before the gates to the CIA. This gate is open Monday–Friday from 6 a.m. until 6 p.m. only. Use gate off of Route 193 on Colonial Farm Road for access at other times. (See directions from Dulles Airport.)

### **FROM DULLES AIRPORT**

Take the Dulles Toll Road (Route 267) east to the Route 123/ McLean exit. Travel on Route 123/Dolly Madison Boulevard until you reach a stoplight at the intersection with Route 193/Georgetown Pike. Turn left on Route 193. Turn right at the first road (Colonial Farm Road). Continue along the road past the CIA entrances on the right until you reach a gated entrance to the TFHRC complex. There is a security guard on duty at all times, and this gate is open 24 hours a day, 7 days a week.

### **FROM POINTS NORTH**

From points north of Washington, DC, take I-495 (Capital Beltway) around the west side of Washington, DC, to the GW Memorial Parkway, the first exit in Virginia. Continue along the parkway approximately 4.2 km (2.6 mi). Take the exit indicated by the small brown sign that reads, "George Bush Center for Intelligence CIA/ FHWA." Take the entrance that veers to the right before the gates to the CIA. This gate is open Monday–Friday from 6 a.m. until 6 p.m. only. Use gate off of Route 193 on Colonial Farm Road for access at other times. (See directions from Dulles Airport.)

### **FROM POINTS SOUTH**

From points south of Washington, DC, take I-495 North/Rockville to the GW Memorial Parkway exit. Continue along the parkway approximately 4.2 km (2.6 mi). Take the exit indicated by the small brown sign that reads, "George Bush Center for Intelligence CIA/ FHWA." Take the entrance that veers to the right before the gates to the CIA. This gate is open Monday–Friday from 6 a.m. until 6 p.m. only. Use gate off of Route 193 on Colonial Farm Road for access at other times. (See directions from Dulles Airport.)

## **Nassif Building/TFHRC Shuttle Schedule**

A daily shuttle service operates between the FHWA Nassif Building and TFHRC. The service begins at 7:00 a.m. from the Nassif Building, Washington, DC, from the 6th Street side (near the cafeteria). The travel time to TFHRC is approximately 20 minutes. The schedule for the shuttle service is as follows:

<b>Depart Nassif</b>	<b>Arrive TFHRC</b>	<b>Depart TFHRC</b>	<b>Arrive Nassif</b>
7:00 a.m.	7:20 a.m.	7:25 a.m.	7:55 a.m.
8:00 a.m.	8:20 a.m.	8:45 a.m.	9:10 a.m.
9:30 a.m.	9:50 a.m.	10:00a.m.	10:20a.m.
10:30a.m.	10:50a.m.	11:00a.m.	11:20a.m.
12:00p.m.	12:20p.m.	12:30p.m.	12:50p.m.
1:00 p.m.	1:20 p.m.	1:30 p.m.	1:50 p.m.
2:00 p.m.	2:20 p.m.	2:45 p.m.	3:05 p.m.
3:15 p.m.	3:35 p.m.	3:45 p.m.	4:05 p.m.
4:15 p.m.	4:35 p.m.	5:00 p.m.	5:20 p.m.

All DOT employees, contractors, and visitors are permitted to ride the shuttle while on official business. All visitors must have a valid Federal ID or an appointment scheduled with TFHRC staff.

This RD&T directory provides TFHRC expertise and contact information.